



IFWO

RAW SEQUENCE LISTING

DATE: 10/12/2004

PATENT APPLICATION: US/10/820,809A

TIME: 12:37:58

Input Set : A:\2004-10-05 Sequence Listing as filed.txt

Output Set: N:\CRF4\10122004\J820809A.raw

3 <110> APPLICANT: Irving W. WAINER et al.
 5 <120> TITLE OF INVENTION: COMPUTER-BASED MODEL FOR IDENTIFICATION AND CHARACTERIZATION
 OF
 6 NON-COMPETITIVE INHIBITORS OF NICOTINIC ACETYLCHOLINE RECEPTORS
 7 AND RELATED LIGAND-GATED ION CHANNEL RECEPTORS
 9 <130> FILE REFERENCE: 1173-1025PUS2
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/820,809A
 C--> 11 <141> CURRENT FILING DATE: 2004-04-09
 11 <160> NUMBER OF SEQ ID NOS: 15
 13 <170> SOFTWARE: PatentIn version 3.2
 15 <210> SEQ ID NO: 1
 16 <211> LENGTH: 23
 17 <212> TYPE: PRT
 18 <213> ORGANISM: Unknown
 20 <220> FEATURE:
 21 <221> NAME/KEY: misc_feature
 22 <222> LOCATION: (1)..(23)
 23 <223> OTHER INFORMATION: Table 1 Delta Sequence - Transmembrane domain of ligand gated
 ion
 24 channel subunit
 26 <400> SEQUENCE: 1
 28 Glu Lys Met Ser Thr Ala Ile Ser Val Leu Leu Ala Gly Ala Val Phe
 29 1 5 10 15
 31 Leu Leu Leu Thr Ser Gly Arg
 32 20
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 37 <212> TYPE: PRT
 38 <213> ORGANISM: Unknown
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 41 <221> NAME/KEY: misc_feature
 42 <222> LOCATION: (1)..(23)
 43 <223> OTHER INFORMATION: Table 1 Gamma Sequence - Transmembrane domain of ligand gated
 ion
 44 channel subunit
 46 <400> SEQUENCE: 2
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 49 1 5 10 15
 51 Leu Phe Leu Ile Ala Gln Lys
 52 20
 55 <210> SEQ ID NO: 3
 56 <211> LENGTH: 23
 57 <212> TYPE: PRT
 58 <213> ORGANISM: Unknown



60 <220> FEATURE:
61 <221> NAME/KEY: misc_feature

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62 <222> LOCATION: (1)..(23)

63 <223> OTHER INFORMATION: Table 1 Alpha 1 Sequence - Transmembrane domain of ligand
gated ion

64 channel subunit

66 <400> SEQUENCE: 3

68 Glu Lys Met Thr Leu Ser Ile Ser Val Leu Leu Ser Leu Thr Val Phe

69 1 5 10 15

71 Leu Leu Val Ile Val Glu Leu

72 20

75 <210> SEQ ID NO: 4

76 <211> LENGTH: 23

77 <212> TYPE: PRT

78 <213> ORGANISM: Unknown

80 <220> FEATURE:

81 <221> NAME/KEY: misc_feature

82 <222> LOCATION: (1)..(23)

83 <223> OTHER INFORMATION: Table 1 Alpha 3 Sequence - Transmembrane domain of ligand
gated ion

84 channel subunit

86 <400> SEQUENCE: 4

88 Glu Lys Val Thr Leu Cys Ile Ser Val Leu Leu Ser Leu Thr Val Phe

89 1 5 10 15

91 Leu Leu Val Ile Thr Glu Thr

92 20

95 <210> SEQ ID NO: 5

96 <211> LENGTH: 23

97 <212> TYPE: PRT

98 <213> ORGANISM: Unknown

100 <220> FEATURE:

101 <221> NAME/KEY: misc_feature

102 <222> LOCATION: (1)..(23)

103 <223> OTHER INFORMATION: Table 1 Alpha 4 Sequence - Transmembrane domain of ligand
gated ion

104 channel subunit

106 <400> SEQUENCE: 5

108 Glu Lys Ile Thr Leu Cys Ile Ser Val Leu Leu Ser Leu Thr Val Phe

109 1 5 10 15

111 Leu Leu Leu Ile Thr Glu Ile

112 20

115 <210> SEQ ID NO: 6

116 <211> LENGTH: 23

117 <212> TYPE: PRT

118 <213> ORGANISM: Unknown

120 <220> FEATURE:

121 <221> NAME/KEY: misc_feature

122 <222> LOCATION: (1)..(23)

123 <223> OTHER INFORMATION: Table 1 Alpha 5 Sequence - Transmembrane domain of ligand
gated ion

124 channel subunit

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128 Glu Lys Ile Cys Leu Cys Thr Ser Val Leu Val Ser Leu Thr Val Phe

129 1 5 10 15

131 Leu Leu Val Ile Glu Glu Ile

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137 <212> TYPE: PRT
138 <213> ORGANISM: Unknown
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141 <221> NAME/KEY: misc_feature
142 <222> LOCATION: (1)..(23)
143 <223> OTHER INFORMATION: Table 1 Alpha 6 Sequence - Transmembrane domain of ligand
gated ion
144          channel subunit
146 <400> SEQUENCE: 7
148 Glu Lys Val Thr Leu Cys Ile Ser Val Leu Leu Ser Leu Thr Val Phe
149 1          5          10          15
151 Leu Leu Val Ile Thr Glu Thr
152          20
155 <210> SEQ ID NO: 8
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157 <212> TYPE: PRT
158 <213> ORGANISM: Unknown
160 <220> FEATURE:
161 <221> NAME/KEY: misc_feature
162 <222> LOCATION: (1)..(23)
163 <223> OTHER INFORMATION: Table 1 Alpha 7 Sequence - Transmembrane domain of ligand
gated ion
164          channel subunit
166 <400> SEQUENCE: 8
168 Glu Lys Ile Ser Leu Gly Ile Thr Val Leu Leu Ser Leu Thr Val Phe
169 1          5          10          15
171 Met Leu Leu Val Ala Glu Ile
172          20
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177 <212> TYPE: PRT
178 <213> ORGANISM: Unknown
180 <220> FEATURE:
181 <221> NAME/KEY: misc_feature
182 <222> LOCATION: (1)..(23)
183 <223> OTHER INFORMATION: Table 1 Alpha 9 Sequence - Transmembrane domain of ligand
gated ion
184          channel subunit
186 <400> SEQUENCE: 9
188 Glu Lys Val Ser Leu Gly Val Thr Ile Leu Leu Ala Met Thr Val Phe
189 1          5          10          15
191 Gln Leu Met Val Ala Glu Ile
192          20
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196 <211> LENGTH: 23
197 <212> TYPE: PRT
198 <213> ORGANISM: Unknown
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202 <222> LOCATION: (1)..(23)

203 <223> OTHER INFORMATION: Table 1 Alpha 10 Sequence - Transmembrane domain of ligand
gated ion

204 channel subunit

206 <400> SEQUENCE: 10

208 Glu Lys Val Ser Leu Gly Val Thr Val Leu Leu Ala Leu Thr Val Phe

209 1 5 10 15

211 Gln Leu Ile Leu Ala Glu Ser

212 20

215 <210> SEQ ID NO: 11

216 <211> LENGTH: 23

217 <212> TYPE: PRT

218 <213> ORGANISM: Unknown

220 <220> FEATURE:

221 <221> NAME/KEY: misc_feature

222 <222> LOCATION: (1)..(23)

223 <223> OTHER INFORMATION: Table 1 Beta 1 Sequence - Transmembrane domain of ligand
gated ion

224 channel subunit

226 <400> SEQUENCE: 11

228 Glu Lys Met Gly Leu Ser Ile Phe Ala Leu Leu Thr Leu Thr Val Phe

229 1 5 10 15

231 Leu Leu Leu Leu Ala Asp Lys

232 20

235 <210> SEQ ID NO: 12

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237 <212> TYPE: PRT

238 <213> ORGANISM: Unknown

240 <220> FEATURE:

241 <221> NAME/KEY: misc_feature

242 <222> LOCATION: (1)..(23)

243 <223> OTHER INFORMATION: Table 1 Beta 2 Sequence - Transmembrane domain of ligand
gated ion

244 channel subunit

246 <400> SEQUENCE: 12

248 Glu Lys Met Thr Leu Cys Ile Ser Val Leu Leu Ala Leu Thr Val Phe

249 1 5 10 15

251 Leu Leu Leu Ile Ser Lys Ile

252 20

255 <210> SEQ ID NO: 13

256 <211> LENGTH: 23

257 <212> TYPE: PRT

258 <213> ORGANISM: Unknown

260 <220> FEATURE:

261 <221> NAME/KEY: misc_feature

262 <222> LOCATION: (1)..(23)

263 <223> OTHER INFORMATION: Table 1 Beta 3 Sequence - Transmembrane domain of ligand
gated ion

264 channel subunit

266 <400> SEQUENCE: 13

268 Glu Lys Leu Ser Leu Ser Thr Ser Val Leu Val Ser Leu Thr Val Phe

269 1 5 10 15

271 Leu Leu Val Ile Glu Glu Ile

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277 <212> TYPE: PRT
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281 <221> NAME/KEY: misc_feature
282 <222> LOCATION: (1)..(23)
283 <223> OTHER INFORMATION: Table 1 Beta 4 Sequence - Transmembrane domain of ligand
gated ion
284             channel subunit
286 <400> SEQUENCE: 14
288 Glu Lys Met Thr Leu Cys Ile Ser Val Leu Leu Ala Leu Thr Phe Phe
289 1             5             10             15
291 Leu Leu Leu Ile Ser Lys Ile
292             20
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296 <211> LENGTH: 23
297 <212> TYPE: PRT
298 <213> ORGANISM: Unknown
300 <220> FEATURE:
301 <221> NAME/KEY: misc_feature
302 <222> LOCATION: (1)..(23)
303 <223> OTHER INFORMATION: Table 1 Epsilon Sequence - Transmembrane domain of ligand
gated ion
304             channel subunit
306 <400> SEQUENCE: 15
308 Gln Lys Cys Thr Val Ser Ile Asn Val Leu Leu Ala Gln Thr Val Phe
309 1             5             10             15
311 Leu Phe Phe Leu Ile Ala Gln
312             20

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/820,809A

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date